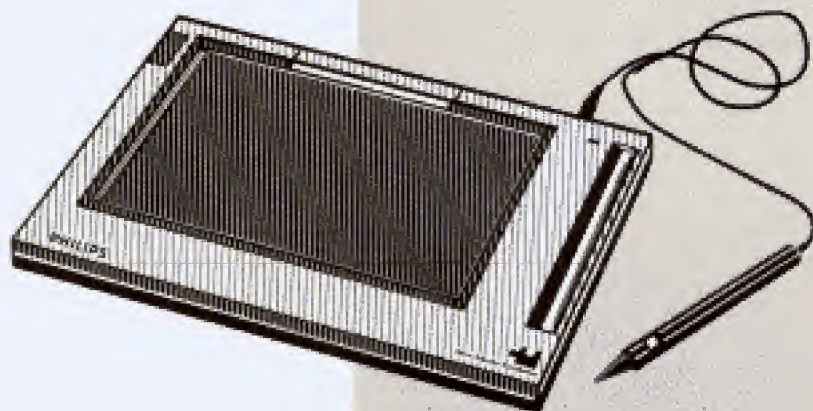


PHILIPS



MSX GRAPHIC TABLET

NMS 1150



MSX™

INSTRUCTION MANUAL
MANUAL D'INSTRUCTIONS
INSTRUKTIONSHANDBUCH
INSTRUKTIEBOEK
MANUALE D'ISTRUZIONE
MANUAL DE INSTRUCCIONES

New Media Systems



Technical specifications

| | |
|-----------------------|--|
| Effective tablet area | X axis: 205 ± 5 mm Y axis: 140 ± 3 mm |
| Resolution | 256 x 256 dots X axis: 0.80 mm Y axis: 0.54 mm |
| Outside dimensions | 296 x 210 x 18 mm (W x D x H) |
| Weight | approx. 720 g |

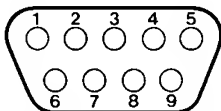
Touch pen

| | |
|--------------------|------------------|
| Outside dimensions | 150 mm x 12 mm Ø |
| Cable length | 700 mm |

Interface to MSX computer

| | |
|----------------------|----------------------------|
| Input/output | TTL level |
| Max. supply rating | $5 V_{DC} \pm 5\%$, 50 mA |
| Data sampling period | 5 ms/dot |

Pin connections:



| Pin | Symbol | Signal | Direction |
|-----|---------------------------|---------------------------|-----------|
| 1 | $\overline{\text{SENSE}}$ | Touch sense signal | Output |
| 2 | EOC | A/D conversion end signal | Output |
| 3 | SO | Serial output signal | Output |
| 4 | $\overline{\text{SW}}$ | Switch signal | Output |
| 5 | DC 5 V | $5 V_{DC}$ power input | |
| 6 | $\overline{\text{SCK}}$ | Serial clock signal | Input |
| 7 | SI | Serial input signal | Input |
| 8 | CS | Select signal | Input |
| 9 | GND | Signal ground | |

Philips MSX Graphic tablet NMS1150/00

The graphic tablet is used in combination with your MSX computer and will be connected to the joystick port, indicated in the user manual of the related application software package.

The program below enables you to design graphics, which will be displayed on your TV- or monitor screen.

In this program the graphic tablet will be connected to joystick port 1.

Sample MSX computer program

```
10 SCREEN 2
20 IF PAD (0) = 0 THEN SW = 0 : GOTO 20
30 X = PAD (1) : Y = PAD (2)
40 IF SW = 0 THEN PSET (X,Y) ELSE LINE - (X,Y)
50 SW = 1
60 GOTO 20
```

Graphic tablet facilities

